

Notice of Allowability

Application No.

10/735,150

Examiner

Mitchell R. Slavitt

Applicant(s)

HUANG ET AL.

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2651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to an amendment filed 12/23/05.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

WAYNE YOUNG
SUPERVISORY PATENT EXAMINER

Reasons for Allowance

1. Claims 1-9 are allowed as the prior art does not teach nor suggest the applicant's invention.

Independent claim 1 teaches a method for managing temperature of a device. The distinguishing elements of the claim are: determining power variance for first and second operation modes; and determining a compensation power equivalent to the power variance to a heater for increasing temperature of the device, the compensation power is based on a delivery voltage, delivery current and resistance of the heater; delivering a corresponding operation mode power; and combining the compensation power with a corresponding operation mode power for providing approximately equivalent device temperature for each of the first and second operation modes.

Independent claim 3 teaches a method for managing temperature of a device. The distinguishing elements of the claim are: determining power variance for the first and second operation modes; and delivering a compensation power equivalent to the power variance to a heater for increasing temperature of the device, the compensation power is based on a delivery voltage, delivery current and resistance of the heater; the compensation power is cooperable with a corresponding operation mode power for providing approximately equivalent device temperature for each of the first and second operation modes; and maintaining the delivery voltage at a constant voltage, wherein the delivery current is varied corresponding to a variance in resistance of the heater.

Independent claim 4 teaches a method for managing temperature of a device. The distinguishing elements of the claim are: determining power variance for the first

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and second operation modes; and delivering a compensation power equivalent to the power variance to a heater for increasing temperature of the device, the compensation power is based on a delivery voltage, delivery current and resistance of the heater; the compensation power is cooperable with a corresponding operation mode power for providing approximately equivalent device temperature for each of the first and second operation modes; and determining a resistance of the heater, wherein the heater resistance varies with temperature; and adjusting the delivery current for maintaining the compensation power based on the determined resistance, wherein the delivery voltage is maintained constant.

Conclusion


2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitchell R. Slavitt whose telephone number is (571) 272-7562. The examiner can normally be reached on M-F (6:30-4:00), 2nd Friday off. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571) 272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MS *mf*
3/15/06



WAYNE YOUNG
SUPERVISORY PATENT EXAMINER